

ATKINS

BORG-WARNER

FILES

For All Industrial Needs

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ATKINS SAW DIV.



**BORG-WARNER
CORPORATION**

INDIANAPOLIS 9, INDIANA

SCHEID HEAVY HARDWARE & STEEL CO.
329 TEHAMA ST. DOUGLAS 2-0300
SAN FRANCISCO 3, CALIF.



ATKINS, Borg-Warner Silver Steel FILES

HOW TO ORDER

Give complete information as follows:

Quantity wanted	Cut
Kind of files	Length, inches

Explanation of File Terms

CUT: Tooth pattern as illustrated in the various styles described at right.

DIFFERENT CLASSIFICATIONS: Rough, coarse, bastard, second cut, smooth and dead smooth, beginning at the coarsest down to the very finest.

LENGTH: The distance between point and heel, not including the tang.

TANG: The pointed part which is inserted in the handle.

POINT: The end opposite tang.

BACK: Is the round side of the half-round, cabinet, pit saw and similar files.

SAFE: Means that the side, back or edge, to whichever it refers, is smooth, having no teeth.

BLUNT FILE: Is a file that is the same width and thickness from heel to point.

TAPER FILE: Is a file having tapering sides, to distinguish it from the blunt file.

SET: Is blunting the sharp edges or corners of file blanks before and after the overcut to prevent weakness of the teeth.

SINGLE CUT



Bastard Cut



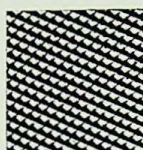
Second Cut



Smooth Cut

A single row of parallel teeth running at an angle across the face the full length of the file.

DOUBLE CUT



Bastard Cut



Second Cut



Smooth Cut

A double row of teeth, one crossing the other, and both running at an angle across the face the full length of the file. One row of teeth is a little finer than the other. Used on machinists' files, etc.

RASP CUT



Bastard Wood Rasp



Second Cut Cabinet



Smooth Cabinet

Rasp cut is entirely different from either the single or double cut. Each tooth is separately formed. Used on wood rasps, cabinet rasps, shoe rasps, horse rasps, etc.



HOW ATKINS FILES ARE PACKED

Atkins Silver Steel Files up to and including 10-inch (with few exceptions) are packed one dozen in a smart blue box with attractive blue and white top and end label.

Files 12 inches and over are packed and labeled in same manner except one-half dozen to box.

The 14" Regular Flexible Milled Tooth Files (one-half dozen to box) are contained in windowed individual envelopes.

See Atkins Price List for Weights and Packing Data

In keeping with the Borg-Warner Corporation policy of continuous improvement and progress, Atkins Saw Division reserves the right to make changes without notice.



ATKINS SAW DIVISION

BORG-WARNER CORPORATION

INDIANAPOLIS 9, INDIANA

ATKINS, Borg-Warner SilverSteel SAW FILES

REGULAR TAPER

A triangular file for all 60° angle tooth hand saws. Single cut, with set and cut edges for gullet filing.

MILL

Made primarily for sharpening Mill or Circular Saws, also planer knives, mowing machine knives, draw filing, lathe work, finish brass, bronze, etc.

DOUBLE EXTRA SLIM TAPER

This is the smallest triangle in the Taper Files.

BANDSAW BLUNT

Made especially for sharpening bandsaws with round gullets. Single cut. For narrow gullet bands use Hand Saw Tapers.

DOUBLE ENDERS

Construction and use is similar to Regular Taper Files, except they are cut from middle to both ends, thus gaining use of full file length. Six handles supplied with each dozen files.

PIT SAW

Made for sharpening Pit and Frame Saws. Slightly Coarser cut than found on Mill Bastard Files of same length. One round side and one flat side.

CANT SAW

Used in sharpening M tooth saws, circulars, buck, pulpwood, pruning saws, etc. Single cut only.

SLIM TAPER

Same construction and purpose as Regular, only Slim pattern.

MILL—ONE OR TWO ROUND EDGES

Same as Mill Files except made with one or two round edges to prevent gullets in saws.

GREAT AMERICAN CROSSCUT

Great American Crosscut Files originally designed for filing Great American Crosscut Saws. Suitable for a wide variety of saws. Rounded back to deepen the rounded gullets. Single cut only.

SPECIAL CROSSCUT SAW

Created for the expert saw filer so that he can have a superior file for cross cut saws. Blunt shape; long lasting quality.

EXTRA SLIM TAPER

A taper file still slimmer than Slim Taper.

Kind	4" Thick		5" Thick		5 1/2" Thick		6" Thick		7" Thick		8" Thick	
Regular Taper							1 1/2		1 1/2		1 1/2	
Slim Taper	3/2		3/2				1 1/2		1 1/2		1 1/2	
Extra Slim Taper	3/16		3/2		1/4		3/2		1 1/2		1 1/2	
Double Extra Slim Taper	3/2		3/16				3/2		1/4		3/16	
Bandsaw Blunt—Regular							2 3/4				2 3/4	
Bandsaw Blunt—Slim							3/16				2 3/4	
Double Enders							3/2		3/2		3/2	
Pit Saw							3/8	3/2				
Cant Saw							1 1/2	1 3/4			1 1/16	1 7/16
Mill—Bastard Cut	7/16	5/16					3/8	7/16	1 1/16	1/8	1 3/16	5/2
Second Cut and Smooth Cut							3/8	7/16			1 3/16	5/2
Bastard—One Round Edge							3/8	7/16			1 3/16	5/2
Bastard—Two Round Edges							3/8	7/16			1 3/16	5/2
Great American Crosscut											1 1/16	9/2
Special Crosscut Saw							3/8	7/16	1 1/16	1/8	1 3/16	5/2

Kind	9" Thick		10" Thick		12" Thick		14" Thick		16" Thick	
Regular Taper			2 3/2							
Slim Taper			1 9/2							
Extra Slim Taper										
Double Extra Slim Taper										
Bandsaw Blunt—Regular										
Bandsaw Blunt—Slim										
Double Enders	1 1/2		3/8							
Pit Saw										
Cant Saw			1 3/16	5/16						
Mill—Bastard Cut			1	3/16	1 3/16	7/2	1 1/2	1/4	1 1/2	9/2
Second Cut and Smooth Cut			1	3/16	1 3/16	7/2	1 1/2	1/4		
Bastard—One Round Edge			1	3/16	1 3/16	7/2				
Bastard—Two Round Edges			1	3/16						
Great American Crosscut			1 3/16	2 3/4						
Special Crosscut Saw			1	3/16						



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ATKINS, Borg-Warner SilverSteel MACHINIST FILES

FLAT

Used where rapid removal of material is desired. For machinists and other metal workers. Double cut in bastard, second and smooth cuts.

HAND

Similar to Flat Files in use but are parallel in width and taper. Double cut and has one safe edge.

THREE SQUARE

Triangular in the cross section, double cut, have fairly sharp corners. Used for filing internal acute angles, clearing square corners and filing taps and cutters.

SQUARE

Square in cross section, double cut. For filing slots, keyways, and general surface filing. Tapers slightly to point.

ROUND

Round as their name indicates, for filing round openings or concave surfaces. Tapers a little toward point.

HALF ROUND

For quick removal of metal from either flat, convex or concave surfaces. Tapers toward point in both width and thickness.

PILLAR

Rectangle cross section, one safe or uncut edge. Machinists use them in filing slots, keyways, etc. Double cut in all lengths. Narrower than hand files.

WARDING

Locksmith's favorite for filing ward notches in keys and other lock repairs. A fine double cut file for narrow places too small for other files.

KNIFE

A knife shaped file of double cut teeth used extensively by tool and die makers filing acute angles. Backs of files are safe. Cut backs are furnished as specials.

Kind	4"		6"		7"		8"		10"	
	Wide	Thick	Wide	Thick	Wide	Thick	Wide	Thick	Wide	Thick
Flat—Bastard Cut	7/16	7/64	5/8	5/32			13/16	13/64	1	1/4
Flat—Second Cut and Smooth Cut	7/16	7/64	5/8	5/32			13/16	13/64	1	1/4
Hand—Bastard Cut, Second Cut, Smooth Cut			23/32	3/16			29/32	15/64	1 1/2	7/32
Three Square—Bastard, Second & Smooth Cut			1/2				19/32		23/32	
Square—Bastard Cut	5/32		7/32				5/16		3/8	
Square—Second Cut and Smooth Cut	5/32		7/32				5/16		3/8	
Round—Bastard Cut	5/32		7/32		1/4		5/16		3/8	
Round—Second Cut and Smooth Cut	5/32		7/32				5/16		3/8	
Half Round—Bastard Cut, Second Cut, Smooth Cut	7/16	1/8	5/8	11/64			13/16	15/64	1	7/32
Pillar—Bastard			7/16	7/32			9/16	7/32	11/16	11/32
Pillar—Second Cut and Smooth Cut			7/16	7/32			9/16	7/32	11/16	11/32
Warding—Bastard Cut, Second Cut, Smooth Cut	15/32	3/64	5/8	5/64			51/64	7/64	31/32	1/8
Knife—Bastard Cut, Second Cut, Smooth Cut	15/32	3/32	11/16	1/8			7/8	11/64	1 1/16	1/4

Kind	12"		14"		16"		18"	
	Wide	Thick	Wide	Thick	Wide	Thick	Wide	Thick
Flat—Bastard Cut	13/16	19/64	1 23/64	11/32	1 11/32	25/64	1 43/64	27/64
Flat—Second Cut and Smooth Cut	13/16	19/64	1 23/64	11/32	1 11/32	25/64		
Hand—Bastard Cut, Second Cut, Smooth Cut	1 1/4	5/16	1 7/16	11/32				
Three Square—Bastard, Second & Smooth Cut	27/32							
Square—Bastard Cut	1/2		5/8		3/4			
Square—Second Cut and Smooth Cut	1/2		5/8					
Round—Bastard Cut	1/2		5/8		3/4			
Round—Second Cut and Smooth Cut	1/2		5/8					
Half Round—Bastard Cut, Second Cut, Smooth Cut	13/16	11/32	1 13/32	13/32	1 11/32	15/32		
Pillar—Bastard	13/16	13/32						
Pillar—Second Cut and Smooth Cut								
Warding—Bastard Cut, Second Cut, Smooth Cut								
Knife—Bastard Cut, Second Cut, Smooth Cut								



ATKINS SAW DIVISION
BORG-WARNER CORPORATION
 INDIANAPOLIS 9, INDIANA

ATKINS, Borg-Warner SilverSteel SPECIAL FILES

HANDSAW SPECIAL

Triangular type file for handsaws and others having handsaw type teeth. Single cut.

PULPWOOD OR WEB SAW

Angles on these files are made to angles on pulpwood or Web Saws and are cut on all four faces.

INSERTED TOOTH

Made expressly for filing inserted tooth or chisel point saws. Single cut, one side half round, the other flat. Has two safe edges, blunt in length.

SKIP TOOTH BANDSAW

A special six-sided single cut file for skip tooth bandsaws such as used in butcher shops and meat packing industry. They file the face of one tooth, gullet bottom and back of next tooth at one time, retaining original tooth shape. Blunt or Diamond Point.

AUGER BIT

For restoring original sharpness to bits. One end has both edges left safe, other end has safe sides.

"TOUCH POINT"

A dandy 6-inch file for dressing distributor points tipped with tungsten, iridium, etc. Double cut; chisel tip on file end. Tang end has spark plug thickness gauge. Packed in boxes or displayed on cards, one dozen each.

IMPROVED DIAMOND POINT

Excellent single cut file used in saw filing machines.

WEED'S PATTERN

A special regular extra slim blunt file with special round tang for use in metal ferruled handle. Single cut file that has cut edges to file gullets between saw teeth. Four handles in each box of one dozen files.

Kind	5"		5½"		6"		7"	
	Wide	Thick	Wide	Thick	Wide	Thick	Wide	Thick
Handsaw Special							¼	
Improved Diamond Point—No. 471					⅜			
No. 502					⅜			
No. 476					13/32			
No. 473					⅜			
No. 538					⅜			
No. 474							⅜	
No. 526							⅜	
No. 513							⅜	
Inserted Tooth								
Skip Tooth Bandsaw	½				½			
Pulpwood or Web Saw	25/32	¼	27/32	¼	29/32	17/64		
Weed's Pattern	15/64		15/64		⅜			
"Touch Point"					⅜	½		
Auger Bit							11/32	1/16

Kind	8"		10"	
	Wide	Thick	Wide	Thick
Handsaw Special	⅜			
	¼			
	⅜			
Improved Diamond Point—No. 471				
No. 502				
No. 476				
No. 473				
No. 538				
No. 474				
No. 526				
No. 513				
Inserted Tooth	13/16	⅜	1	11/32
Skip Tooth Bandsaw				
Pulpwood or Web Saw				
Weed's Pattern				



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ATKINS, Borg-Warner SilverSteel® RASPS

HALF ROUND CABINET RASPS

For cabinet makers and woodworkers of all kinds.

HALF ROUND WOOD RASPS

For woodworkers, wheelwrights, plumbers, etc. One half round and one flat side, tapering to point.

FLAT WOOD RASPS

Flat on both sides, tapering to point. Used for same purposes as Half Round Wood Rasps.

HALF ROUND SHOE RASPS—UTILITY FILE

Made in half round sections. Half of each side file cut and half rasp cut.

HORSE RASP PLAIN—HALF FILE

Double ended file with rasp teeth on one side and file teeth on other.

HORSE RASP TANGED

These rasps are same as Plain Horse Rasps in construction of teeth, but tanged.

Kind	Wide 6" Thick		Wide 8" Thick		Wide 9" Thick		Wide 10" Thick		Wide 12" Thick	
Half Round Cabinet Rasps—Second Cut and Smooth Cut	1 1/16	3/16	7/8	1/4			1 1/8	5/32	1 3/16	11/32
Half Round Wood Rasps—Bastard Cut	3/8	1 1/64	13/16	15/64			1	9/32	1 3/16	11/32
Half Round Wood Rasps—Smooth Cut			13/16	15/64			1	9/32	1 3/16	11/32
Flat Wood Rasps—Bastard Cut			13/16	13/64			1	1/4	1 3/16	19/64
Flat Wood Rasps—Smooth Cut							1	1/4	1 3/16	19/64
Half Round Shoe Rasps—Utility File			7/8	1/4	63/64	19/64	1 1/16	5/16		
Horse Rasp Plain—Half File—Regular									1 11/32	11/32
Horse Rasp Plain—Half File—Slim										
Horse Rasp Tanged—Regular									1 1/2	3/8
Horse Rasp Tanged—Thin										

Kind	Wide 14" Thick		Wide 16" Thick		Wide 18" Thick		Wide 20" Thick	
Half Round Cabinet Rasps—Second Cut and Smooth Cut	1 13/32	3/8						
Half Round Wood Rasps—Bastard Cut	1 13/32	13/32	1 19/32	15/32				
Half Round Wood Rasps—Smooth Cut								
Flat Wood Rasps—Bastard Cut	1 23/64	11/32	1 17/32	25/64				
Flat Wood Rasps—Smooth Cut								
Half Round Shoe Rasps—Utility File								
Horse Rasp Plain—Half File—Regular	1 1/2	3/8	1 11/16	7/16				
Horse Rasp Plain—Half File—Slim			1 11/16	7/16	1 9/16	13/32	1 3/4	7/16
Horse Rasp Tanged—Regular	1 11/16	7/16	1 7/8	15/32				
Horse Rasp Tanged—Thin	1 11/16	11/32						

ATKINS, Borg-Warner SilverSteel® SPECIAL PURPOSE FILES

FLAT LONG ANGLE LATHE

A fast, free cutting file for lathe work. Long angle single cut leaves a smooth surface. Both edges are safe.

LEAD FLOAT

A very coarse file for lead, and similar soft metals. Rectangular and half round, tapering slightly in width and thickness. Flat side has 15° angle; back has 5° angle.

FLAT FOUNDRY

Used for snagging castings, filing spurs, burrs, fins on castings. Also narrow edges and sharp corners on dies. Double Cut Bastard Teeth.

HALF ROUND FOUNDRY

For same purpose as Flat Foundry Files with added advantage of one round back for filing concave surfaces. Double Cut Bastard Teeth.

ALUMINUM TYPE A

A special tooth for filing aluminum and noted for its effective freedom from clogging. Double cut. Fast free and easy to use. A light stroke does it.

BRASS

This is a special double cut tooth for brass filing. Has a long overcut and short upcut that minimizes clogging.

Kind	Wide 6" Thick		Wide 8" Thick		Wide 10" Thick		Wide 12" Thick		Wide 14" Thick	
Flat Long Angle Lathe					1	1/4	1 3/16	19/64	1 23/64	11/32
Lead Float—Flat and Half Round			13/16	13/64	1	1/4	1 3/16	19/64		
Flat Foundry			13/16	13/64	1	1/4	1 3/16	19/64	1 23/64	11/32
Half Round Foundry			13/16	15/64	1	9/32	1 3/16	11/32	1 13/16	13/32
Aluminum Type A—Flat	5/8	5/32	13/16	13/64	1	1/4	1 3/16	19/64	1 23/64	11/32
Aluminum Type A—Half Round	17/32	3/64	23/32	13/64	29/32	1/4	1 3/16	11/32	1 13/32	13/32
Brass			13/16	13/64	1	1/4	1 3/16	19/64		



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ATKINS, Borg-Warner SilverSteel PLANER MILLED TOOTH FILES

FLEXIBLE (WITHOUT TANG)

Made on newly designed and improved machinery, these files are ideally fitted for smooth, rapid work on Cast Iron, Bronze, Lead, Babbitt, Aluminum, Zinc, Plastics and any of the steels up to the hardness of commercial annealed tool steel. Tooth profile is scientifically determined for the right pitch and rake to avoid pinning up and to give the smoothest finish. Made in Standard, Fine and Smooth Cuts.

RIGID PILLAR (WITH TANG)

Useful in sharp corners and narrow slots. Cut on sides only. Safe edges. Made in Standard, Fine and Smooth Cuts.

RIGID SQUARE

Cut on all four sides and useful for working in holes, narrow corners and keyways. Made in Standard, Fine and Smooth Cuts.

RIGID HALF ROUND MOULDING

Moulding Files have teeth on inside or concave surface only. Used on convex surfaces. Rigid construction. Made in Standard, Fine and Smooth Cuts.

NO. 25 ADJUSTABLE FLAT FILE HOLDER

Atkins No. 25 is a 14" adjustable aluminum flat file holder. Very sturdy construction.

RIGID FLAT (WITH TANG)

The Rigid Type Milled Tooth Files are recommended for Flat Surfaces on which a straight, even pressure stroke is required. Made in Standard, Smooth and Fine Cuts.

RIGID HALF ROUND SHELL (WITHOUT TANG)

With teeth on convex side only, Shell Files are designed for use in concave surfaces. Files have hole in each end for fastening to holder. Rigid construction. Available in Standard, Fine and Smooth Cuts.

RIGID HALF ROUND

Flat on one side and convex on the other, this file is adapted for use on flat or concave surfaces. Made in three degrees of coarseness—Standard, Fine and Smooth.

RIGID HALF OVAL

Meet the occasional need for files with a flatter curvature on the back than the Half Round. Made in Standard, Fine and Smooth Cuts.

RIGID FLAT BABBITT

This file is exactly like the Flat File in shape, dimensions and weight, but has fewer teeth per inch, thus being coarser than the Standard Cut. Designed for the softer metals.

RIGID FLAT UTILITY

This file is also like the regular Flat File in general appearance, but has Standard Cut teeth on one side and Smooth Cut teeth on the other.

Kind	8"		10"		12"		14"	
	Wide	Thick	Wide	Thick	Wide	Thick	Wide	Thick
Flexible (without Tang)	1 1/8	3/32	1	1 1/8	1 1/8	3/16	1 1/2	3/16
Rigid Half Round Shell (without Tang)	3/8	1/8	1 3/8	1/8	1 1/4	1/8	1 1/8	1/8
Rigid Half Round Moulding	3/8	1/8	1 3/8	1/8	1 1/4	1/8	1 1/8	1/8
Rigid Flat (with Tang)	1 3/8	3/16	1	7/32	1 1/8	3/32	1 23/64	3/16
Rigid Flat Babbitt	1 3/8	3/16	1	7/32	1 1/8	3/32	1 23/64	3/16
Rigid Flat Utility	1 3/8	3/16	1	7/32	1 1/8	3/32	1 23/64	3/16
Rigid Half Round	4 3/4	1/4	5 3/4	1 5/8	1 1/8	23/64	1 17/64	1 13/32
Rigid Half Oval	1 1/4	1 5/8	1 1/4	1 5/8	1 1/4	1 5/8	1 1/4	1 5/8
Rigid Pillar (with Tang)	1 7/32	1/4	2 1/32	5/16	2 5/32	3/8	2 9/32	2 3/4
Rigid Square	1 7/8		1 1/2		1 5/8		1 9/8	

ATKINS, Borg-Warner SilverSteel CHAIN SAW FILES

CHAIN SAW ROUND BLUNT

Specially designed to file Atkins Chamfer Chain as well as all types of round-cutter chains. Extremely high quality.

CHAIN SAW SQUARE BLUNT

Best all around file made for filing square chisel type chains of all types and gauges.

CHAIN SAW SPECIAL CROSS CUT FILES

Used for jointing and rounding off depth gauges. Blunt shape. Long lasting. High quality.

CHAIN SAW HALF ROUND BLUNT

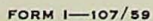
New type special dual purpose design for precision filing of Atkins Chamfer or round-cutter type Chains. The flat side permits sharpening to razor edge. Ideal for special filing. Used for jointing depth gauges.

Kind	6"		7"		8"	
	Wide	Thick	Wide	Thick	Wide	Thick
Round Blunt CJ-10					3/8	
CJ- 9					5/16	
CJ-11					1/4	
CJ-20					3/16	
Special Crosscut—One Round Edge CJ- 8			1 1/16	1/8		
CJ-12					1 3/16	5/32
Square Blunt CJ-15	3/32					
Half Round Blunt CJ-21					1/4	



ATKINS SAW DIVISION
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(Shown Approximately Actual Size)



LITHO IN U.S.A.



ATKINS SAW DIVISION
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